

Birgit E. Bonefeld, PostDoc

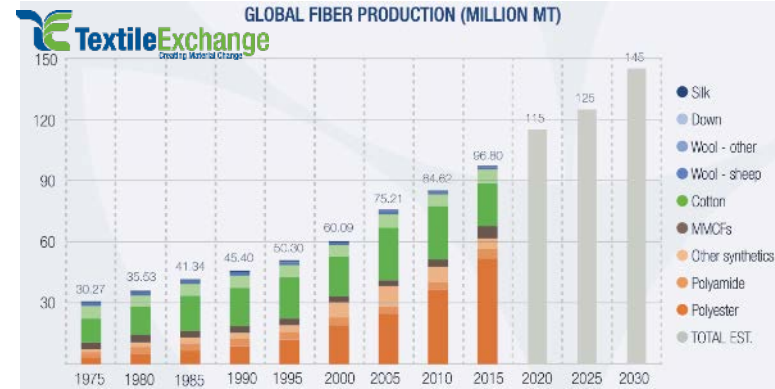
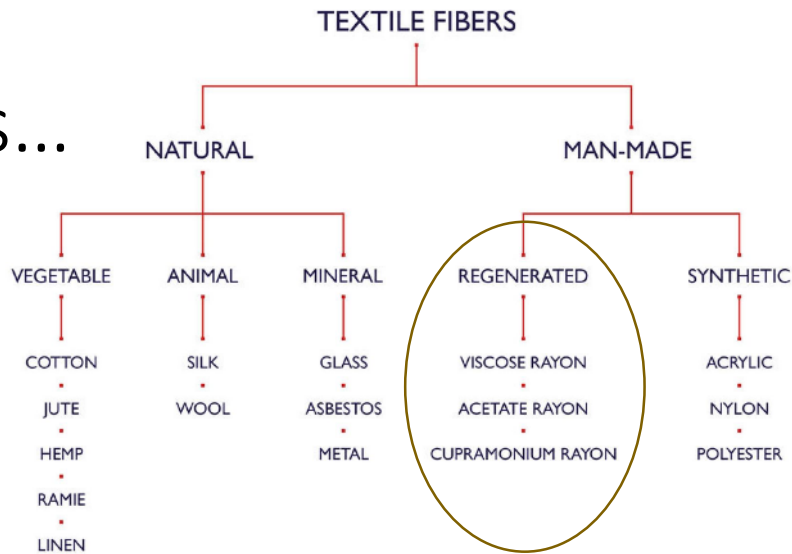
Biological and Chemical Engineering [Green Biorefining Technologies](#)

# GRASS TEXTILE

Cellulose from sidestream biomass for biomaterial purposes



# Textiles...



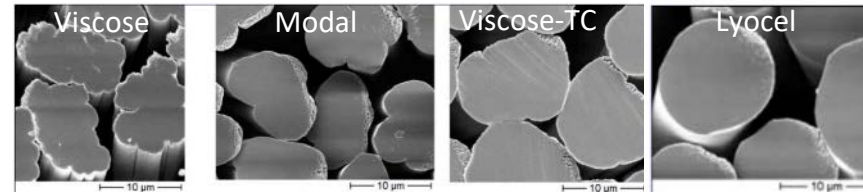
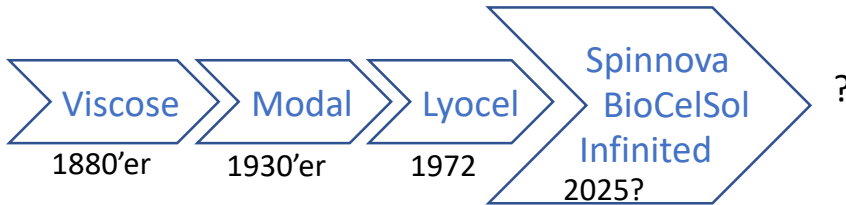
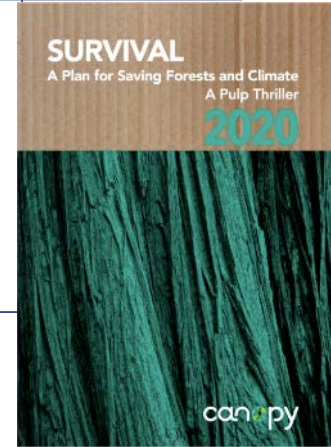
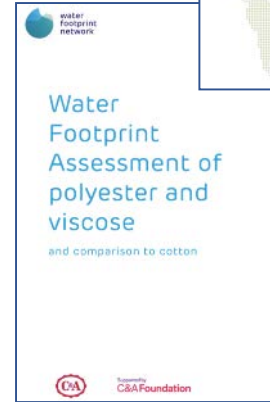
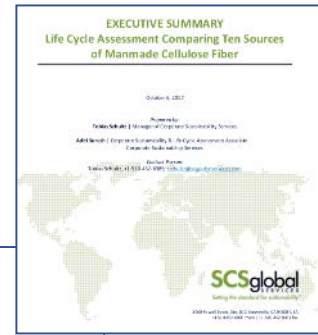
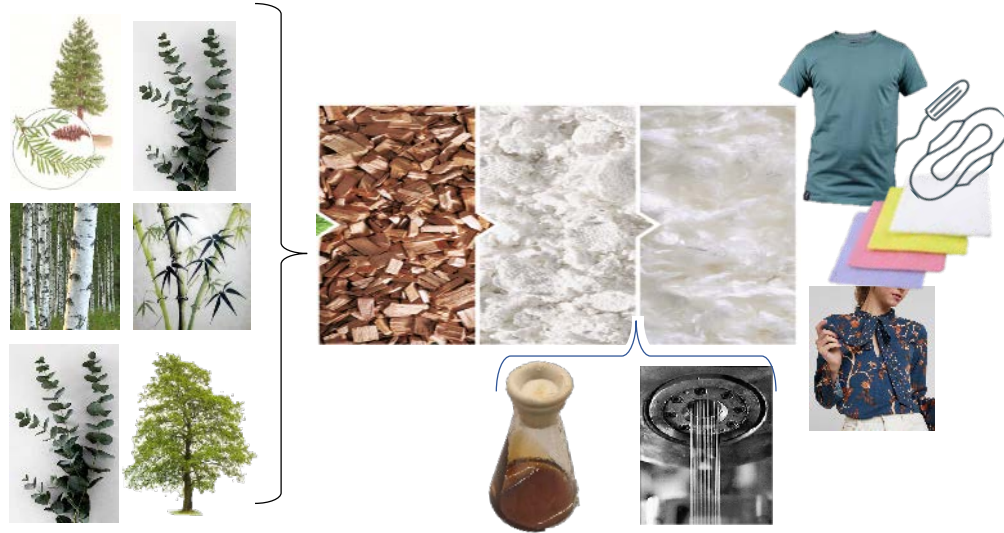
**Is responsible for 8-10% of the world's greenhouse gas emissions**

**20% of industrial wastewater pollution worldwide originates from the industry**

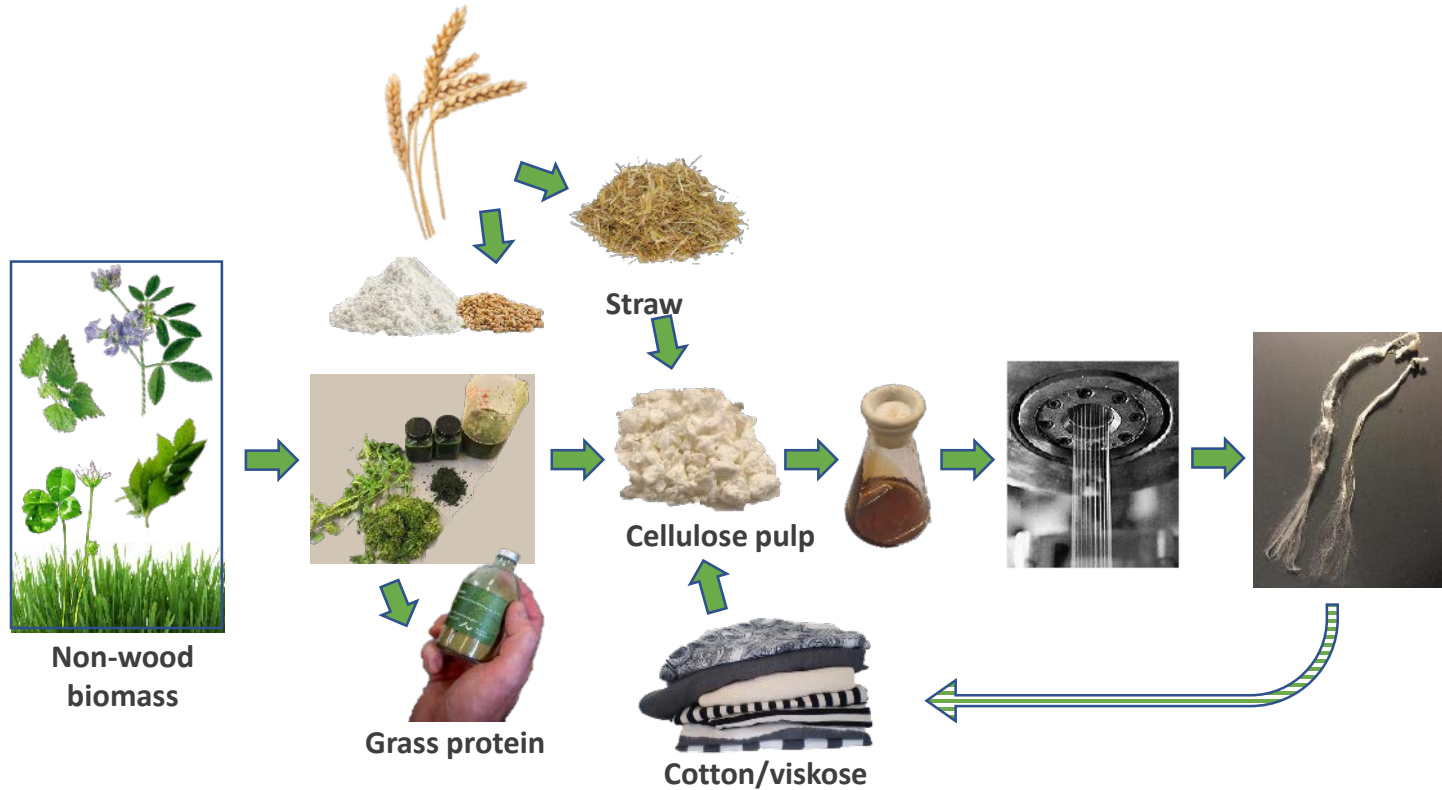
**\$500 billion of value is lost every year due to clothing underutilisation and lack of recycling**

<https://unfashionalliance.org>

# Manufactured Cellulosic fibre (MCF)



# *MCF – of nonwood sidestream biomass*



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